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CURRENT FILING DATE: 1999.04-05
NUMBER OF SEQ ID NOS: 25
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                                                                                                                                                                     RESULT 4
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Sequence 17, Application US/09342681C

Patent No. 6355782

GENERAL INFORMATION:
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                                  GENERAL INFORMATION:
APPLICANT: Zonana et al.
TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia
FILE REFERENCE: 52978
                                                                                                             Sequence 19, Application US/09342681C Patent No. 6355782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Ver. SEQ ID NO 17
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Best Local :
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CURRENT APPLICATION NUMBER: US/09/342,681C CURRENT FILING DATE: 1999-06-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes FILE REFERENCE: 52978
CURRENT APPLICATION NUMBER: US/09/342,681C
CURRENT FILING DATE: 1999-06-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/112,366 PRIOR FILING DATE: 1998-12-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS:
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                                                                                                                                                                                                                                                          191 PVPPSKETSAESQVSWAPGSLAQLFS----LDSVPIPQQQQGPEM 231
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                                                                                                                                                                                                                           TATPAKPTKSENDAS-
                                                                                                                                                                                                                                                                                                 LIIMFYILKTKPSAPACC----TSHPGKSVEAQVSKDEEKKEAPDNVVMFSEKDEFEKL-
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                                                                                                                                                                                                                                                                                                                                                                                                               SEVQCAFQLSLVEADAP-----TVPPQE-----ATLVALVSSLLVVFTLAFL 155
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54.2%;
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Pred. No. 1.
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Pred. No. 2.8
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RESULT 5
US-09-006-353A-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: WEI, YING-FEI
APPLICANT: YU, GUO-LIANG
APPLICANT: GENTZ, REINER
APPLICANT: RUBEN, STEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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PRIOR FILING DATE: 1998-12-15
NUMBER OF SEQ ID NOS: 123
                 TELEFAX: (301)
INFORMATION FOR SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/092,279 PRIOR FILING DATE: 1998-07-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
SEQUENCE CHARACTERISTICS:
                                                                       TELECOMMUNICATION INFORMATION:
                                                                                                                                                     CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: TUMOR NECROSIS FACTOR NUMBER OF SEQUENCES: 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    259 TATPAKPTKSENDAS---SENEQLLSRSVDSDEEPAPDKQGSPEL 300
                                                                                             REGISTRATION NUMBER: 36 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                    COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 9410 KE'
CITY: ROCKVILLE
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                                                       TELEPHONE:
                                                                                                                                   NAME:
                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LIIMFYILKTKPSAPACC----TSHPGKSVEAQVSKDEEKKEAPDNVVMFSEKDEFEKL- 258
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                                                                                                                                   BROOKES, ANDERS
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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           1) 30
, 309-8512
NO: 8:
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                                                                                                               36,373
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; Pred. No. 1.4e-11;
33; Mismatches 112;
                                                                                                                                                                                                                                                  Version #1.30
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RESULT 6
US-09-006-353A-6
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Best Local Similarity
"~+~hes 72; Conserv?
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                                                                         TELEFAX: (301) 309-85
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                               CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, ANDERS A
REGISTRATION NUMBER: 36,373
                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                     REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 26
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APPLICANT: YU, GUO-LIANG
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                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                            COUNTRY: U
ZIP: 20850
           STRANDEDNESS:
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STRANDEDNESS: sir
                                          LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGHH---KCQ 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ----TLVALVSSLLVVFTLAFLGLFFLYCKQFFNRHCQRGGLLQFEADKTAKEESLFPV 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCRHCNSGLLVR----NCTITANAECACRNGWQC------RDKECTECDFLPN 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CPERHYWAQGKLC--CQMCEPGTFLVKDCDQHRKA-AQCDPCIP-GVSFSPDHHTRPHCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SCITC--AVINRVQKVNCTATSNAVCG-----DCLPRFYRKTRIGGLQDQECIPCTK-QT 111
                           amino acids
                                                                                                                                                                                                                                                                                                                                                                                          ROCKVILLE
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                                                                                                                                                                                                                                                                                                                                                                                                       E: HUMAN GENOME SCIENCES,
9410 KEY WEST AVENUE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENTZ, REINER
RUBEN, STEVEN
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linear
                                                                                                        (301) 309-8504
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         single
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25.9%;
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                                                                                                                                     PF341
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Pred. No. 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RSNKGES - - PV
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US-08-089-458B-6
; Sequence 6, Application US/08089458B
; Patent No. 5359039
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Best Local Similarity
Matches 74; Conserv
   Query Match
Best Local Similarity
                                                                                                                                                              TELEFAX: (206) 233-064
TELEX: 756822
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Smith, Craig
APPLICANT: Goodwin, Raymond
TITLE OF INVENTION: Isolated Poxvirus A53R-Equivalent Tumor
TITLE OF INVENTION: Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 7
                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
                                                                                                                                                                                                                                                                  CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia
REGISTRATION NUMBER: 34,
                                                                        MOLECULE TYPE:
                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 266 ESPPCPAPRADPHFPDLAEPLLPMSGDLSPSPAGPPTAPSLEEVVL--QQQSP 316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    211 ICKNPPEPGAMLLLAILLSLVLFLLFTTV--LACA--WMRHPSLCRKLGTL-LKRHPEGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           153 GTEAEVTDEIMDTDVNCVPCKPGHFQNTSSPRARCQPHTRCEIQ-GLVEA-APGTSYSDT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  103 PCDIVLGFEEVAPCTSDRKAEC-RCQP-----GMSCVYLDNECVHCEEERLVLCQP 152
                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: Apple M
OPERATING SYSTEM:
                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 07/09/
                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk COMPUTER: Apple Macintosh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U
ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         63
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     QDKEYYEPM-HDVCCSRCPPGEFVFAVCSRSQ--DTVCKTCPHNSYNEHWNHLSTCQLCR 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      V---PPQEATLVALVSSLLVVFTLAFLGLFFLYCKQFFNRH---CQRGGLLQFEADKTAK 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EESLFPVP---PSKETSAE-----SQVSWAPGSLAQLFSLDSVPIPQQQQGP 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -TKQTPTSEV------
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                                                                                                        : 186 amino acids
amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           U.S.A.
                                                                                                                                                                                                 (206) 233-0644
                                                                                                                                                                                                                                                                                                                                                                                           SYSTEM: Apple Operating System Microsoft Word, Version #5.la
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patricia Anne Perkins,
                                                                      protein
                                                                                                                                                                                                                                                                                                                                         07/09/93
   11.8%; Score 150.5; 35.1%; Pred. No. 2.7
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25.3%; Pred. No. 4.7
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                                                                                                                                                                                                                                                                    34,693
                                                                                                                                                                6:
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2.7e-07
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                  DB 1;
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                Length 186;
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Matches

Conservative

13;

Mismatches

Indels

17;

Gaps

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US-08-050-319B-25
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Best Local Similarity
Matches 66; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (415) 327-323
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: M.Feldmann, P.W. Gray,
APPLICANT: M.J.C. Turner, F.M Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (415) 617-8999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
 274
                                                                                                       140
                                                                   214 LPLVIFFGLCLLSLLFIGLMYRYQRWKSKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSF 273
                                                                                                                                       162
                                                                                                                                                                                                       103 SKCRKEMGQVEISSCTVDRDTVCG-CRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEK 161
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                                                                                                                                                                                                                                         62 ITC-AVINRVOKVNCTATSNAVCGDCLPRFYRK---
                                                                                                                                                                                                                                                                             44
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 10-May
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        57 KCQSCITCAVINRVQKVNCTATSNAVCGDCLPRFYRKTRIGGLQD-QECIPCTK 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME:
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                                                                                                                                                                                                                                                                                                            3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 61
SPTPGFTPTLGFSPVPSSTFTSSS----TYTPGDCPNFAAPRREVAPPYQGADPILATALA 330
                                                                                                     VALVSSL-LVVFTLAFLGLFFLYCK---QFFNRHC---
                                                                                                                                    QNTVCTCHAGFFLRENECVSCS-----NCKKSLECTKLCLPQIENVKGTEDSGTTVL
                                                                                                                                                                                                                                                                          CPQGKYIHPQNNSICCTKCHKGTYLYNDCP-GPGQDTDCRECESGSFTASENHLRHCLSC 102
                                                                                                                                                                    ----TRIGG--LQDQECIPCTKQTPTSEVQCAFQLSLVEADAPTVPPQEAT-----L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QCRKCPT----GSFDKVKCTGTQNSKC-SCLPGWFCATDSSKTEDCRDCIPKRK 140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       455 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        635 Bryant Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (415) 327-3231
                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Reed & Robbins
                                ---PVPPSKETSAESQVSWAPGS----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-May-1993
                                                                                                                                                                                                                                                                                                                                                               11.4%; Score 145.5; DB 1
21.3%; Pred. No. 2.5e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US/08/050,319B
                                                                                                                                                                                                                                                                                                                                               36;
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                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                               109;
                                                                                                   -- QRGGLLQFEADKTAKEESLF 190
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                                                                                                                                                                                                                                                                                                                                                                                 Length 455;
                                                                                                                                                                                                                                                                                                                                               Indels
                            -----LAQLFS 216
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                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                      139
                                                                                                                                      213
                                                                                                                                                                                                                                           93
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В
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US-08-321-668-2
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                                                                                                                                                                                                                                                                                                                                ; MOLECULE TYPE: US-08-321-668-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/08321668 Patent No. 5665859
                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 1:
FILING DATE: 12-OCT-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
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214 LPLVIFFGLCLLSLLFIGLMYRYQRWKSKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSF 273
                             140 VALVSSL-LVVFTLAFLGLFFLYCK---QFFNRHC-----QRGGLLQFEADKTAKEESLF 190
                                                                                                                              103 SKCRKEMGQVEISSCTVDRDTVCG-CRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEK 161
                                                                                                                                                                                               44
                                                                                                                                                                                                                                                                                                                                                                                  TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/0 FILING DATE: 12-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington STATE: D.C.
                                                                                                                                                              62 ITC-AVINRVOKVNCTATSNAVCGDCLPRFYRK----
                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
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                                                                                                                                                                                                                                3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 61
                                                                                                                                                                                               CPQGKYIHPQNNSICCTKCHKGTYLYNDCP-GPGQDTDCRECESGSFTASENHLRHCLSC 102
                                                                QNTVCTCHAGFFLRENECVSCS
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                                                                                             -----TRIGG--LQDQECIPCTKQTPTSEVQCAFQLSLVEADAPTVPPQEAT-----L 139
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                                                                                                                                                                                                                                                                                 Similarity
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419 Seventh Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BATKIN, Michael
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                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                 protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULES INFLUENCING THE SHEDDING OF THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IL 107268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US/08/321,668
                                                                                                                                                                                                                                                               36;
                                                                                                                                                                                                                                                             Score 145.5; DB 1;
Pred. No. 2.5e-06;
36; Mismatches 109;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WALLACH=13
                                                              -NCKKSLECTKLCLPQIENVKGTEDSGTTVL 213
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US-08-837-941-2
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Best Local S
Matches 66
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APPLICATION NUMBER: US 08/321,668

FILING DATE: 12-OCT-1994

APPLICATION NUMBER: IL 107268

FILING DATE: 12-OCT-1993

ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, ROGET L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH-13

TELEPHONE: 2628-5197
                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 455 amino acid
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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STREET: Washington
CITY: Washington
STATE: D.C.
TSA
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CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BATKIN, MICHAEL
THE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF
TITLE OF INVENTION: THE THE RECEPTORS, THEIR PREPARATION AND THEIR USE
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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162 ONTVCTCHAGFFLRENECVSCS------NCKKSLECTKLCLPQIENVKGTEDSGTTVL 213
                                                                           103 SKCRKEMGQVEISSCTVDRDTVCG-CRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEK 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 202-026 ---
                                 94 -----TRIGG--LODQECIPCTKQTPTSEVQCAFQLSLVEADAPTVPPQEAT-----L 139
                                                                                                                                                   44 CPQGKYIHPQNNSICCTKCHKGTYLYNDCP-GPGQDTDCRECESGSFTASENHLRHCLSC 102
                                                                                                                                                                                                                                                                                                                                                                      TYPE:
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                                                                                                                                                                                                                                   Local Similarity 21.
                                                                                                                                                                                     3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 61
                                                                                                                   ITC-AVINRVQKVNCTATSNAVCGDCLPRFYRK----
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amino acid
GY: linear
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VARFOLOMEEV, Eugene
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                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                               11.4%; Score 145.5; DB 1; Length 455; 21.3%; Pred. No. 2.5e-06; tive 36; Mismatches 109; Indels 99
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	93			62 ITC-AVINRVQKVNCTATSNAVCGDCLPRFYRK	Оу	
2	SC 61 	H-HKCQ       HLRHCL	RRYKSSWGI : :  GSFTASENI	3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :	Qy dd	
14;	Gaps	99;	Indels			
		455;		atch 11.4%; Score 145.5; DB 2; cal Similarity 21.3%; Pred. No. 2.5e-06;		
				MOLECULE TYPE -08-126-016-2	sn ;	
				i a		
				H: 455		
				INFORMATION FOR SEQ ID NO: 2:		
				X: 20		
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				REGISTRATION NUMBER: 25,618 REFERENCE/DOCKET NUMBER: WALLACH4		
				T ON:		
				FILING DATE: 13-DEC-1990		
				PRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/625668		
				CLASSIFICATION: 435		
				APPLICATION NUMBER: US/08/126,016		
			-	SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:		
				s-Dos		
				MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible		
				ER READABL	•. •	
				COUNTRY: USA		
				CITY: WASHINGTON STATE: DC	•	
				STREET: 49 Seventh Street, N.W., Suite 300		
				ENCE ADDRES		
		(TBP-I)	H	TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN NUMBER OF SEQUENCES: 26		
			TUMC	EXPRESSION OF THE RECOMBINANT		
				BRAKEBUS		
				APPLICANT: KEMPEK, OLIVEK APPLICANT: ENGELMANN, HARTMUT		
				NOPHAR, Y		
				GENERAL INFORMATION: APPLICANT: WALLACH, DAVID		
				5811261		
				RESULT 11 US-08-126-016-2 : Sequence 2. Application US/08126016	RE US	
				331 SDPIPNPLQK 340	ДD	
				217 LDSVPIPQQQ 226	Qy	
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US-08-465-982-25
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                                                                                                                                                                                                 ; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-465-982-25
                                                                                                                           Matches
                                                                                                                                            Query Match
Best Local Similarity
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 327-32:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 455 amino acids
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APPLICATION NUMBER: US/08/050,319
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APPLICANT: M.J.C. Turner, F.M Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 617-8999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
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STATE: California
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                  62
                                                     44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/465,982 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 5150-0030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
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ITC-AVINRVQKVNCTATSNAVCGDCLPRFYRK----
                                                       CPQGKYIHPQNNSICCTKCHKGTYLYNDCP-GPGQDTDCRECESGSFTASENHLRHCLSC 102
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                                                                                       COENEYWDOWGRCVTCORCGPGOELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SPTPGFTPTLGFSPVPSSTFTSSS---TYTPGDCPNFAAPRREVAPPYQGADPILATALA 330
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                                                                                                                           Conservative
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327-3231
327-3231
                                                                                                                                            11.4%;
21.3%;
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                                                                                                                           36;
                                                                                                                                            Score 145.5; DB 2
Pred. No. 2.5e-06;
                                                                                                                             Mismatches
                                                                                                                                                             DB 2;
                                                                                                                             109;
                                                                                                                             Indels
                                                                                                                                                             Length 455;
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                                                                                                                           99;
                                                                                                                         Gaps
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US-08-815-469-5
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; MOLECULE TYPE: US-08-815-469-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION: APPLICANT: Yu, Gu
                                                                                                                             TELEFAX: 202-371-2540 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: No. 61
FILING DATE: 06-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 60
FILING DATE: 17-OCT-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Dixit, Vishva
APPLICANT: Gentz, Reiner L.
APPLICANT: Dillon, Patrick J.
TITLE OF INVENTION: Death Dom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: 202-371-2600
                                                                                                                                                                                                                                                    FILING DATE: 12-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           331
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                                                                                                                                                                                                                    NAME: Steffe, Eric K. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: UPFILING DATE: HEREWITH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1100 New CITY: Washington
                                     TOPOLOGY:
                                                     STRANDEDNESS:
                                                                                       LENGTH:
                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
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                                                                      amino acid
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1100 New York Ave., NW, Suite 600
                                                                                         455 amino acids
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                                     not relevant
                    protein
                                                        not relevant
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Query Match

11.4%;

Score 145.5;

DB 4;

Length 455;

Best Local Similarity 21.3 Matches 66; Conservative

21.3%; Pred. No. 2.5e-06; tive 36; Mismatches 109;

Indels

99;

Gaps

14;

61

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; TOPOLOGY: 1; MOLECULE TYPE: US-09-006-353A-3
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                                                                                                                  ATTORNEY/AGENT INFORMATION:

NAME: BROOKES, ANDERS A
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF34
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEPAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 455 amino acids
TYPE: amino acid
STRANDEDNESS: Single
TYPE: anino acids
TYPE: anino acids
TYPE: anino acids
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/09/006,353A
APPLICATION NUMBER: US/09/006,353A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: YU, GUO-LIANG
APPLICANT: GENTZ, REINER
APPLICANT: RUBEN, STEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               331 SDPIPNPLQK 340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   94 ----TRIGG--LQDQECIPCTKQTPTSEVQCAFQLSLVEADAPTVPPQEAT------ 139
                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 ITC-AVINRVQKVNCTATSNAVCGDCLPRFYRK------
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                                                                                                       SS: single
linear
                                                                                 protein
11.4%;
21.3%;
                                                                                                                                                                                                                                                                                                   PF341
Score 145.5; DB 4; Pred. No. 2.5e-06;
                   Length 455;
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3 COENEYMONGRECYTCORROGROGELSENDGGGGGDAYCTACPPRYKSSMGH-HKCOSC 44 CCROSKYIHPONNSICCTKCHKGTYLYNDDP-GEPGGDTDCREESGSFTASENHLRHCCSC 52 ITC-AVINRYOKVNCTATSNAVGGDCLPREYRK.  3 SKCREBGGOTELSCTVDRDTYGG-CRKNOYTHYWSENLFQCENGSLCLNGTVHLSCOEK 54TRIGG-LDDDEGLPCTKOTPTSEVQCAPOLSLYBADAPTYPPQGAT 03 SKCREBGGOTELSCTVDRDTYGG-CRKNOYTHYWSENLFQCENGSLCLNGTVHLSCOEK 54TRIGG-LDDDEGLPCTKOTPTSEVQCAPOLSLYBADAPTYPPQGAT 03 SKCREBGOTELSCTVDRDTYGG-CRKNOYTHYWSENLFQCENGSLCLNGTVHLSCOEK 54TRIGG-LDDDEGLPCTKOTPTSEVQCAPOLSLYBADAPTYPPQGAT 03 SKCREBGGTTKLABPLYCKOPENHECORGLLQFEDKYAKEESLF 54 CANTESL-LVYFTLAFLGLFLYCKOPENHEC	0_ 4		QRGGLLQFEADKTAKEES!	GLLQFE	QRG	QFFNRHC	-	FLYCH	LVVFTLAFLGLFFLYCK	LVVFT	VALVSSL-	40	, ,	y Yo
3 CORNEYWOOMSCCTKCHLOTE SO; MASMACICHES 109; INDELS 99; GOOREST OF CONTROL OF CALL OF	. 0		EAT	PTVPPQ   :	VEADA	VQCAFQLSL	PTSE	CTKQI	DDQECIE	L	O T	94		2 .0
3 CQENEYWOOMGRCYTORCOFGGEGADAYCTGERS 199; INGELS 99; GENEYWOOMGRCYTORCOFGGESADAYCTGERS 94; INGELSCOPERRYKSSWGH-HKCOSC 1 III   1   1   1   1   1   1   1   1	1		NGTVHLSCQI	NCSLCL	LFQCF	FYRK     YRHYWSEN	CRKN	IAVCGI	NCTATSN:   :     :   :   :   :   :   :   :   :	RVQKV	TC-AVIN			₽ .9
3 CQENEYWOLWER JOY: LINGELS 19; LINGELS 19	2		SSWGH-HKCQ: :      \SENHLRHCL:	PRRYKS ; ; SGSFTA	CTACP       CRECE	GYGEGGDAY       P-GPGQDTD	LSKDC      LYNDC	PGQEI	VTCQRCC:   :    :    CCTKCH	QWGRC'	QENEYWD : :   PQGKYIH	ω 4	0 1	B 6
3 CQUREYVOLVE 30; MISHINGCIRES 109; INGERIS 39; GA 3 CQUREYVORGEGOACTACPPRYKESSIGH-HKCOSC 1 ::		Gaps	455; 99	Leng	B 4 06; 109	145.5; No. 2.5e smatches	Score Pred.	ယ္ဆ	11.4 21.3 vative	arity onser	ch 1 simil 66; c	Y Mat Loca	Query Best Match	
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COENEWDQWGRCVTCORCGPOGLISKDCGYGGGDVTACPRRYKSSWCH-HKCQSC   : :								·	27 r. 2.	0	SEC Pat	BER C	NUME SOFT	
3 COENEWDOWGRCUTCORGOPGOELSKODGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   :   :   :							4,220	24	999-03- MBER: (	DE: 1	LING DA		PRIC	
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC 4 CCQGKYIHPQNNSICCTKCHKGTYINDCP-GPGQDTDCRECESGSFTASENHIRHCLSC 62 ITC-AVINRYQKVNCTATSNAVCGDCLPRFYK							5,094	9/095 10 0/126	MBER: (	NO I	PLICATI		PRIC	, .
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :						, 230	- u	1,00	2000- 2000- MBER: (	DATE:	FILING DA	DR AL	PRIC	
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : : :				ceptor		Fac	Necr	□ -	einer 1 Human 1 5P1	ION: PF37	INVENT	LE OF	TITI	
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :				,							Yu, Far	LICAN	APPI	
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :										ION:	NEORMAT		Pater	
COENEYWDOWGRCVTCORCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC    :							236A	9527		icat i	ıπω		Segue S-09-5	··
COENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC    :   :									0 0		TANAIADS    :     SAIANSUT	17 31		E 6
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   :   :	0		)GADPILATA	VAPPYC	APRRE	TPGDCPNFA	- 1	TSSS.	PVPSSTI	TLGFS	SPTPGFTP	74		ᄗ
GOENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC    :	σ		:		1	;	SQVSW	TSAES	PVPPSKI	1				0
3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC    :	3 0		EADKTAKEES:   !TTKPLAPNP!	GLLQFE    : GELEGT	QRG :: TPEKE	FFNRHC ::   LYSIVCGKS	RWKSK	ELYCE :   : !YRYQE	LAFIGLA	LVVET	ALVSSL-			<u> </u>
TO SECULD SO SECULD SO SECULD SO SECULD SO SECULD SO SECULD SECULD SO SECULD SECULD SECULD SECULD SECULD SECULD SECULD SECULD SECURD SECULD SE	ω		;   /KGTEDSGTT	PQIENV	; TKLCL	-NCKKSLEC		CS	RENECVS	AGFFL	) NTVCTCH		_	멸.
MACCINES 00; CONSELVALLYE 30; MISHWACCINES 109; INGELS 99; GA  3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :	9 +		DEAT	PTVPPC	VEADA	VOCAFOLSL	TPTSE	CTKO	ODOECIE	3G L	TRI			0 5
MACCINES 00; CONSERVALIVE 30; MISHWALCINES 109; INGELS 99; GA  3 CQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGH-HKCQSC   : :	_		NGTVHI SCOI	NOSI OI	1.5005	FYRK	OCLPR	IAVCGI	NCTATSI	RVQKV	TC-AVIN			<u> </u>
marches oo; conservative so; mismarches 109; indeis 99; ga	2		SENHLRHCL	SGSFTA	CRECE	P-GPGQDTD	LYNDC	KGTYI	:   :	PQNNS	: :   CPQGKYIH		0 "	<u> </u>
		21	SSWGH-HKCOS	Inde	TOY;	smatches GYGEGGDAY	; M1	PGOEI	Vative VTCORCO	onser OWGRC	OENEYWD		, water	o o

Searc Job t	Db	Qy	DЬ	Qy	Db
ch con	331	217	274	191	214
Search completed: October 26, 2002, 21:10:33 Job time : 15 secs	331 SDPIPNPLQK 340	217 LDSVPIPQQQ 226	PTPGFTPTLGFSPVPSSTFTSSSTYTPGDC	PVPPSKETSAESQVS	:        : :   :   :   : : :     ::     :       :
:10:33			274 SPTPGFTPTLGFSPVPSSTFTSSSTYTPGDCPNFAAPRREVAPPYQGADPILATALA 330	LAQLES	214 LPLVIFFGLCLLSLLFIGLMYRYQRWKSKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSF 273
			30	216	73